L Number	Hits	Search Text	DB	Time stamp
1	3339	clamping near2 diodes	USPAT; US-PGPUB	2003/12/02 08:33
2	9615	pass near2 transistor	USPAT; US-PGPUB	2003/12/02 08:33
3	9	(clamping near2 diodes) same (pass near2 transistor)	USPAT; US-PGPUB	2003/12/02 08:34
4	424	(clamping near2 diodes) and voltage near2 regulator	USPAT; US-PGPUB	2003/12/02 08:38
5	32	((clamping near2 diodes) and voltage near2 regulator) and (pass near2 transistor)	USPAT; US-PGPUB	2003/12/02 03:35
6	0	((clamping near2 diodes) and voltage near2 regulator) and bootstap$2 near2 voltage	USPAT; US-PGPUB	2003/12/02 08:35
7	0	((clamping near2 diodes) and voltage near2 regulator) and bootstap$2	USPAT; US-PGPUB	2003/12/02 08:36
8	30	((clamping near2 diodes) and voltage near2 regulator) and bootstrap$2	USPAT; US-PGPUB	2003/12/02 08:40
9	416	(clamping near2 diodes) and voltage near2 transient	USPAT; US-PGPUB	2003/12/02 08:38
10	120	((clamping near2 diodes) and voltage near2 transient) and regulator	USPAT; US-PGPUB	2003/12/02 08:40
11	753	clamping near2 gate	USPAT; US-PGPUB	2003/12/02 12:13
12	24	(clamping near2 gate) and bootstrap$2	USPAT; US-PGPUB	2003/12/02 08:42
13	93	(clamping near2 gate) and pull-up	USPAT; US-PGPUB	2003/12/02 09:26
14	5	("4527077" | "5293082" | "5317206" | "6060938" | "6087885").PN.	USPAT	2003/12/02 08:48
15	10	6236248.URPN.	USPAT	2003/12/02 08:50
16	4	("5134316" | "5248906" | "5313118" | "5384498").PN.	USPAT	2003/12/02 09:08
17	17	5585740.URPN.	USPAT	2003/12/02 09:09
18	5239	clamping near2 circuit	USPAT; US-PGPUB	2003/12/02 09:26
19	282	(clamping near2 circuit) and pull-up	USPAT; US-PGPUB	2003/12/02 09:48
20	4	("5179297" | "5444401" | "5504450" | "5663917").PN.	USPAT	2003/12/02 09:44
21	467	diode-connect$2 and pull-up	USPAT; US-PGPUB	2003/12/02 09:48
22	95	(diode-connect$2 and pull-up) and clamping	USPAT; US-PGPUB	2003/12/02 09:53
23	5	(("6388495") or ("6236248") or ("6078487") or ("5973534") or ("6201428")).PN.	USPAT; US-PGPUB	2003/12/02 10:23
24	4	antiparallel near2 clamping	USPAT; US-PGPUB	2003/12/02 10:27
25	11	("3754193" | "3869676" | "4070600" | "4161693" | "4401901" | "4728815" | "5015891" | "5077489" | "5287070" | "5621340" | "5670910").PN.	USPAT	2003/12/02 10:25
26	0	6225832.URPN.	USPAT	2003/12/02 10:26
27	8	string near2 diode near2 clamping	USPAT; US-PGPUB	2003/12/02 10:28
28	38	plurality near2 diode near2 clamping	USPAT; US-PGPUB	2003/12/02 10:29
29	0	ring near2 diode near2 clamping	USPAT; US-PGPUB	2003/12/02 10:29
30	850	string near2 diode	USPAT; US-PGPUB	2003/12/02 10:29
31	98	(string near2 diode) and ESD	USPAT; US-PGPUB	2003/12/02 10:49
32	16	("4990976" | "5077591" | "5087955" | "5159518" | "5208719" | "5274262" | "5287241" | "5290724" | "5442217" | "5530612" | "5616943" | "5774318" | "5978192" | "5986863" | "6046492" | "6171891").PN.	USPAT	2003/12/02 10:38
34	51897	cathode near2 anode	USPAT; US-PGPUB	2003/12/02 10:49

35	51897	anode near2 cathode	USPAT; US-PGPUB	2003/12/02 10:50
36	51897	(cathode near2 anode) same (anode near2 cathode)	USPAT; US-PGPUB	2003/12/02 10:50
37	311	(cathode near2 anode) near2 (anode near2 cathode)	USPAT; US-PGPUB	2003/12/02 10:50
38	2	((cathode near2 anode) near2 (anode near2 cathode)) same clamp$2	USPAT; US-PGPUB	2003/12/02 10:50
39	743	antiparallel near2 diode	USPAT; US-PGPUB	2003/12/02 10:51
40	32	(antiparallel near2 diode) same clamp$2	USPAT; US-PGPUB	2003/12/02 11:00
41	4	(antiparallel near2 diode) same ESD	USPAT; US-PGPUB	2003/12/02 10:55
42	11	(antiparallel near2 diode) AND ESD	USPAT; US-PGPUB	2003/12/02 10:57
43	44	(antiparallel near2 diode) AND CLAMPING NEAR2 VOLTAGE	USPAT; US-PGPUB	2003/12/02 10:57
44	18	(antiparallel near2 diode) AND (pass near2 transistor)	USPAT; US-PGPUB	2003/12/02 11:05
45	22	(antiparallel near2 diode) AND PULL-UP	USPAT; US-PGPUB	2003/12/02 11:06
46	77	(antiparallel near2 diode) AND BUFFER	USPAT; US-PGPUB	2003/12/02 11:08
47	86	(antiparallel near2 diode) AND OVERVOLTAGE	USPAT; US-PGPUB	2003/12/02 11:12
48	32	(antiparallel near2 diode) AND ELECTROSTATIC	USPAT; US-PGPUB	2003/12/02 11:13
49	116	(antiparallel near2 diode) AND REGULATOR	USPAT; US-PGPUB	2003/12/02 11:14
50	2	(antiparallel near2 diode) SAME (pass near2 transistor)	USPAT; US-PGPUB	2003/12/02 12:12
51	2129	CLAMPING NEAR2 PARALLEL	USPAT; US-PGPUB	2003/12/02 12:14
52	2	(CLAMPING NEAR2 PARALLEL) AND PASS NEAR2 TRANSISTOR	USPAT; US-PGPUB	2003/12/02 12:13
53	122	clamping near2 mos	USPAT; US-PGPUB	2003/12/02 12:13
54	16093	DIODE NEAR2 PARALLEL	USPAT; US-PGPUB	2003/12/02 12:15
55	128	(DIODE NEAR2 PARALLEL) NEAR2 GATE	USPAT; US-PGPUB	2003/12/02 12:16
56	36	CLAMPING NEAR2 TRANSISTOR NEAR3 PARALLEL	USPAT; US-PGPUB	2003/12/02 13:11
57	235	CLAMPING NEAR2 TRANSISTOR NEAR3 GATE	USPAT; US-PGPUB	2003/12/02 12:20
58	27	(pass near2 transistor) AND (CLAMPING NEAR2 TRANSISTOR NEAR3 GATE)	USPAT; US-PGPUB	2003/12/02 12:17
60	0	(CLAMPING NEAR2 DYNAMIC) NEAR2 GATE	USPAT; US-PGPUB	2003/12/02 12:20
59	113	CLAMPING NEAR2 DYNAMIC	USPAT; US-PGPUB	2003/12/02 12:24
61	8	CLAMPING NEAR2 (pass near2 transistor)	USPAT; US-PGPUB	2003/12/02 12:25
62	1687	CLAMPING NEAR2 TRANSISTORS	USPAT; US-PGPUB	2003/12/02 12:32
63	24	(CLAMPING NEAR2 TRANSISTORS) SAME (pass near2 transistor)	USPAT; US-PGPUB	2003/12/02 12:26
64	629	(CLAMPING NEAR2 TRANSISTORS) SAME GATE	USPAT; US-PGPUB	2003/12/02 12:26
65	193	(CLAMPING NEAR2 TRANSISTORS) NEAR2 GATE	USPAT; US-PGPUB	2003/12/02 12:26
66	1254	CLAMPING NEAR2 POSITIVE	USPAT; US-PGPUB	2003/12/02 12:34
67	14	(pass near2 transistor) AND (CLAMPING NEAR2 POSITIVE)	USPAT; US-PGPUB	2003/12/02 12:33
68	1454	(pass near2 transistor) AND PULL-UP	USPAT; US-PGPUB	2003/12/02 12:33
69	23	(CLAMPING NEAR2 POSITIVE) AND PULL-UP	USPAT; US-PGPUB	2003/12/02 12:33

70	753	CLAMPING NEAR2 GATE	USPAT; US-PGPUB	2003/12/02 12:39
71	48	(pass near2 transistor) AND (CLAMPING NEAR2 GATE)	USPAT; US-PGPUB	2003/12/02 12:39
72	5	("5468661" | "5612563" | "5736843" | "5811962" | "5825163").PN.	USPAT	2003/12/02 12:37
73	0	5909110.URPN.	USPAT	2003/12/02 12:38
74	1247	CLAMPING NEAR2 INPUT	USPAT; US-PGPUB	2003/12/02 12:42
75	50	(pass near2 transistor) AND (CLAMPING NEAR2 INPUT)	USPAT; US-PGPUB	2003/12/02 12:39
76	4648	CLAMPING NEAR2 VOLTAGE	USPAT; US-PGPUB	2003/12/02 12:42
77	1577	(CLAMPING NEAR2 VOLTAGE) SAME INPUT	USPAT; US-PGPUB	2003/12/02 12:50
78	272	(CLAMPING NEAR2 VOLTAGE) NEAR2 INPUT	USPAT; US-PGPUB	2003/12/02 12:49
79	951314	VERTICAL NEAR2TRANSISTOR	USPAT; US-PGPUB	2003/12/02 12:49
80	4739	VERTICAL NEAR2 TRANSISTOR	USPAT; US-PGPUB	2003/12/02 12:49
81	9	(CLAMPING NEAR2 VOLTAGE) SAME (VERTICAL NEAR2 TRANSISTOR)	USPAT; US-PGPUB	2003/12/02 12:50
82	96	(CLAMPING NEAR2 VOLTAGE) AND (VERTICAL NEAR2 TRANSISTOR)	USPAT; US-PGPUB	2003/12/02 12:53
83	4	("4267501" | "4318040" | "4390833" | "5272399").PN.	USPAT	2003/12/02 12:51
84	0	6504424.URPN.	USPAT	2003/12/02 12:52
85	4	ANTIPARALLEL NEAR2 CLAMPING	USPAT; US-PGPUB	2003/12/02 12:54
86	30	ANTIPARALLEL SAME CLAMPING	USPAT; US-PGPUB	2003/12/02 12:56
87	80	ANTI NEAR2 PARALLEL SAME CLAMPING	USPAT; US-PGPUB	2003/12/02 13:01
88	1	("6281713").PN.	USPAT; US-PGPUB	2003/12/02 13:06
89	49	nmos NEAR2 CLAMPING	USPAT; US-PGPUB	2003/12/02 13:00
90	4	ANTI NEAR2 PARALLEL SAME (pass near2 transistor)	USPAT; US-PGPUB	2003/12/02 13:01
91	546	ANTI NEAR2 PARALLEL SAME GATE	USPAT; US-PGPUB	2003/12/02 13:02
92	41	ANTI NEAR2 PARALLEL NEAR2 GATE	USPAT; US-PGPUB	2003/12/02 13:02
93	1461	CHANNEL NEAR2 CAPACITANCE	USPAT; US-PGPUB	2003/12/02 13:06
94	41	(CLAMPING NEAR2 VOLTAGE) AND (CHANNEL NEAR2 CAPACITANCE)	USPAT; US-PGPUB	2003/12/02 13:08
95	2092	SOURCE-DRAIN NEAR2 TRANSISTOR	USPAT; US-PGPUB	2003/12/02 13:08
96	1202	DRAIN-SOURCE NEAR2 TRANSISTOR	USPAT; US-PGPUB	2003/12/02 13:08
97	39	(SOURCE-DRAIN NEAR2 TRANSISTOR) SAME (DRAIN-SOURCE NEAR2 TRANSISTOR)	USPAT; US-PGPUB	2003/12/02 13:11
98	1195	DIODE NEAR2 ANTI	USPAT; US-PGPUB	2003/12/02 13:12
99	13	CLAMPING NEAR2 (DIODE NEAR2 ANTI)	USPAT; US-PGPUB	2003/12/02 13:12
100	905	DIODE NEAR2 ANTI NEAR2 PARALLEL	USPAT; US-PGPUB	2003/12/02 13:12
101	43	CLAMPING SAME (DIODE NEAR2 ANTI NEAR2 PARALLEL)	USPAT; US-PGPUB	2003/12/02 13:17
102	6	("4654549" | "4675551" | "4771191" | "5239559" | "5589813" | "5714900").PN.	USPAT	2003/12/02 13:14
103	2	5892717.URPN.	USPAT	2003/12/02 13:14
104	80	CLAMPING SAME ANTI NEAR2 PARALLEL	USPAT; US-PGPUB	2003/12/02 13:18
105	1501	(STRING STACK) NEAR2 DIODES	USPAT; US-PGPUB	2003/12/02 13:27
106	103	((STRING STACK) NEAR2 DIODES) SAME CLAMPING	USPAT; US-PGPUB	2003/12/02 13:27

107	551	CHAIN NEAR2 DIODES	USPAT; US-PGPUB	2003/12/02 13:28
108	25	(CHAIN NEAR2 DIODES) SAME CLAMPING	USPAT; US-PGPUB	2003/12/02 13:29
109	16093	PARALLEL NEAR2 DIODES	USPAT; US-PGPUB	2003/12/02 13:28
110	362	(PARALLEL NEAR2 DIODES) SAME CLAMPING	USPAT; US-PGPUB	2003/12/02 13:29
111	13	(pass near2 transistor) AND ((PARALLEL NEAR2 DIODES) SAME CLAMPING)	USPAT; US-PGPUB	2003/12/02 13:29
112	36	esd AND ((PARALLEL NEAR2 DIODES) SAME CLAMPING)	USPAT; US-PGPUB	2003/12/02 13:39
113	5	("4092709" | "4464634" | "4523152" | "5070538" | "5512857").PN.	USPAT	2003/12/02 13:31
114	5	("5534811" | "5852540" | "5923202" | "6008665" | "6049445").PN.	USPAT	2003/12/02 13:35
115	1	6400546.URPN.	USPAT	2003/12/02 13:35
116	27	("3967295" | "4751408" | "4757363" | "4760434" | "4831424" | "4931846" | "5119162" | "5274274" | "5397914" | "5439842" | "5504449" | "5525829" | "5525925" | "5602046" | "5629542" | "5631187" | "5661322" | "5767550" | "5777367" | "5804846" | "5805123" | "5811857" | "5818084" | "5909139" | "5923210" | "5946588" | "5998836").PN.	USPAT	2003/12/02 13:37
118	1	(pass near2 transistor) and (floating near2 clamping)	USPAT; US-PGPUB	2003/12/02 13:40
117	167	floating near2 clamping	USPAT; US-PGPUB	2003/12/02 13:42
119	1763	361/56.ccls.	USPAT; US-PGPUB	2003/12/02 13:46
120	48	(pass near2 transistor) and 361/56.ccls.	USPAT; US-PGPUB	2003/12/02 13:46
121	610	361/86.ccls.	USPAT; US-PGPUB	2003/12/02 13:47
122	17	(pass near2 transistor) and 361/86.ccls.	USPAT; US-PGPUB	2003/12/02 13:47
123	317	361/90.ccls.	USPAT; US-PGPUB	2003/12/02 13:48
124	8	(pass near2 transistor) and 361/90.ccls.	USPAT; US-PGPUB	2003/12/02 13:48
125	389	361/91.1.ccls.	USPAT; US-PGPUB	2003/12/02 13:49
126	7	(pass near2 transistor) and 361/91.1.ccls.	USPAT; US-PGPUB	2003/12/02 13:49
127	417	361/91.5.ccls.	USPAT; US-PGPUB	2003/12/02 13:49
128	18	(pass near2 transistor) and 361/91.5.ccls.	USPAT; US-PGPUB	2003/12/02 13:49
129	1374	361/111.ccls.	USPAT; US-PGPUB	2003/12/02 13:51
130	27	(pass near2 transistor) and 361/111.ccls.	USPAT; US-PGPUB	2003/12/02 13:51
131	711	361/118.ccls.	USPAT; US-PGPUB	2003/12/02 13:51
132	5	(pass near2 transistor) and 361/118.ccls.	USPAT; US-PGPUB	2003/12/02 13:51